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31 May 1963

NRO DECLASSIFICATION/RELEASE INSTRUCTIONS ON FILE

AGENDA

PURCELL PANEL MEETING

4 - 5 June 1963

MEMBERS : Dr. Edward Purcell - Chairman
Dr. James Baker
Dr. Allen Donovan
Dr. Eugene Fubini
Dr. Richard Garwin
Dr. Edwin Land
NRO Dr. Donald Ling
Dr. Arthur Lundahl
25X1A [REDACTED] - Consultant
Mr. Eugene Kiefer - CIA Staff Support
Mr. John McMahon - Executive Secretary

CONTRACTORS : Convair, Eastman-Kodak, Itel

4 June
0930

INTRODUCTION: Mr. John A. McCone, Director of Central Intelligence

I. Briefings

- A. Intelligence Requirements for Photographic Interpretation
(Mr. James Reber - Chrm., Committee on Overhead
Reconnaissance, United States Intelligence Board/Arthur C.
Lundahl - Director, National Photographic Interpretation
Center)
- B. Satellites - Existing systems, systems now programed, and
follow-on systems

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Handle via [REDACTED]
Control System

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1030-1230 (1) Itek Corporation

- (a) CORONA M/J
- (b) LANYARD
- (c) L'
- (d) M2
- (e) 240 inch
- (f) Other

1230 - 1330 Lunch

1330 - 1515 (2) Eastman-Kodak

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- (a) [REDACTED]
- (b) [REDACTED]
- (c) [REDACTED]
- (d) Other

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1515 - 1530 (3) Future Special Satellite Systems

- (a) Requirements for System
- (b) Requirements of System
- (c) Prior studies
- (d) Development Plan

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1530 - 1700 25X1A (4) [REDACTED] USN

- (a) Advanced Systems (Research program)
- (b) Direct Read-out System

Evening Panel Session following dinner

5 June

C. Vulnerability of Satellites

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- 0930 - 1030 (1) Threat [REDACTED]
- 1030 - 1130 (2) Program in being (SSD - Col. Lee Battle, USAF)
- 1130 - 1230 25X1D (3) [REDACTED] (Convair)

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D. Aircraft

- (1) A-12 and AQ-12 (Drone) - Mr. Kiefer

II. Considerations for Panel Recommendations

A. Adequacy of current and proposed satellite systems

B. Research Areas

- (1) Satellite systems (guidance)
- (2) Cameras
- (3) Spectral response
- (4) All weather capability
- (5) Laser technology and applications
- (6) Improved film emulsions
- (7) Other recording media
- (8) Use of image intensifiers

C. Feasibility of direct read-out and anticipated resolution

D. Stabilization of satellites

E. Present and future vulnerability and measures which can be taken to protect satellites

F. Effects of nuclear testing upon satellites

III. Questions to which the Panel should immediately address itself

- A. Will the improved photographic satellites now programed produce reconnaissance photography adequate to meet our needs?
- B. What further developments in satellite photography are considered feasible and should be undertaken in the interests of developing a system which would be an

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improvement over both the LANYARD and the [REDACTED] and very possibly would equal or exceed the resolution attained in U-2 photography?

- C. Can a covert satellite system produce photography sufficient to meet our intelligence needs? Is a truly covert satellite feasible?
- D. What are the applications of A-12 drones, what quality photography is expected from them, and would their operating characteristics be such as to provide useful coverage in areas important to the security of the United States?